

GENERAL STUDIES

PAPER- 3_2

SCIENCE & TECHNOLOGY, ENVIRONMENT, DISASTER MANAGEMENT,
INTERNAL SECURITY

TIME ALLOWED: THREE HOURS

MAXIMUM MARKS: 250

Question Paper Specific Instructions

Please read each of the following instructions carefully before attempting questions:

There are **TWENTY** questions printed only in **ENGLISH**.

All the questions are compulsory.

The number of marks carried by a question/part is indicated against it.

Answers must be written in the medium authorized in the Admission Certificate which must be stated clearly on the cover of this Question-cum-Answer (QCA) Booklet in the space provided. No marks will be given for answers written in a medium other than the authorized one.

Word limit in questions, wherever specified, should be adhered to.

Any page or portion of the page left blank in the Questions-cum-Answer Booklet must be clearly struck off.

Answer all the following questions. Contents of the answer are more important than its length. All questions carry equal marks. **12.5 X 20=250**

Q1) Indian climate governance and strategy to tackle air pollution lacks in substance. Discuss the need for their complete overhaul.

(200 words/12.5 marks)

Q2) Explain the role of Coastal Regulatory Zone in protecting environment. Why some times it is accused of neglecting the local aspirations?

(200 words/12.5 marks)

Q3) Discuss the relevance of Paris agreement. How India, China & European Union may contribute towards mitigating climate change effects post US exit from it?

(200 words/12.5 marks)

Q4) Examine the increasing man versus wildlife conflict in India. Is it linked to the faulty wild life conservation model?

(200 words/12.5 marks)

Q5) Why water crisis is increasing in different parts of India. International organisations suggest privatisation of water utilisation, whereas there is successful traditional conservation model at the local level; based on this suggest a suitable model for India.

(200 words/12.5 marks)

Q6) How marine ecosystem is fast deteriorating in India. Discuss steps taken by the government to contain this problem and at the same time not compromising with the development aspirations.

(200 words/12.5 marks)

Q7) What is a chemical disaster? Discuss the causative factors. Mention the role of various stake holders in prevention of chemical disasters.

(200 words/12.5 marks)

Q8) Give a detailed account of National Disaster Response Force. Critically examine its role in disaster management efforts.

(200 words/12.5 marks)

Q9) Insurgency in North East is not new, however it has a waxing and waning phase. What are the responsible factors? Critically analyse the role of central and state government to curb it.

(200 words/12.5 marks)

Q10) Enumerate the major challenges to internal security of India. Also discuss the internal security doctrine adopted by the country.

(200 words/12.5 marks)

Q11) Examine the perpetual rise in cases of mob lynching. In this regard discuss the role of government and social media to curb this menace.

(200 words/12.5 marks)

Q12) Nanotechnology is a science of immense possibilities. Comment

(200 words/12.5 marks)

Q13) Discuss the nuclear energy generation programme of India. What are the major obstacles to it? Do you

think Civil Liability for Nuclear Damage Act, has provided a way. Examine carefully.

(200 words/12.5 marks)

Q14) Analysing the health system of India, suggest measures for its revival. Do you think National Health Policy 2017 is a step in right direction?

(200 words/12.5 marks)

Q15) India is criticised for succumbing to the pressure of western countries, and modifying its Intellectual Property Regime. Discuss this allegation in context of India's new IPR policy.

(200 words/12.5 marks)

Q16) Discuss CRISPR technology. What is its application in medical sciences? Explain.

(200 words/12.5 marks)

Q17) "The bane of Indian Military is poorly equipped soldiers." Critically analyse the statement in the light of

Shekatkar Committee recommendations. Also briefly discuss potential impacts of the recommendations.

(200 words/12.5 marks)

Q18) Explain the term "Artificial Intelligence". What are the potential utilities and threats associated with its increasing role?

(200 words/12.5 marks)

Q19) Discuss the concept of Green Biotechnology. Also point out its significance to Indian agriculture.

(200 words/12.5 marks)

Q20) "Entry of private sector heralds a new era in Indian Space sector". Examine the possible opportunities and obstacles in the light of increasing role of private players in Indian space sector.

(200 words/12.5 marks)

UPSC CIVIL SERVICES MAINS EXAMINATION

ANSWER SHEET

NAME										
MOBILE NO.										

SUBJECT	Science & Technology, Environment, Disaster Management, Internal Security
REGISTRATION NO.	
UPSC PRELIMS ROLL NO.	

DATE	July 28th, 2018
TIME ALLOWED: 3 HOURS	

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QUES.NO	PAGE NO.	MAXIMUM MARKS	MARKS OBTAINED
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TOTAL MARKS

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INSTRUCTIONS

- PLEASE NOTE THAT IT IS THE CANDIDATE'S RESPONSIBILITY TO ENCODE AND FILL THE FIRST PAGE OF THE ANSWER SHEET AS REQUIRED. IN ANY CASE IF IT IS LEFT VACANT, YOUR ANSWER WILL NOT BE EVALUATED.
- DO NOT WRITE ANYTHING ELSE ON THIS SHEET.
- PLEASE CHECK YOUR ANSWER SHEET BEFORE STARTING THE PAPER. IF YOU FIND ANY ERROR, GET IT REPLACED BY ANOTHER ONE.
- PLEASE FOCUS ON THE RELEVANCY OF THE CONTENT AND SKILL OF WRITING WHILE WRITING THE EXAM.

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